


amendment was approved and entered in the Notice of Allowance dated February 11, 2004. Copies of the above referenced correspondence are attached.

Applicants submit that at least one of the other errors mentioned above was made by the applicants. Therefore, please charge the fee of \$100.00 to deposit account no. 20-0782/APPM/4100.Y5(P1) (KMT).

Respectfully submitted,



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Agent for Applicant(s)

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 7,066,800

Page 1 of 11

APPLICATION NO. : 10/033,732

DATED : Jun. 27, 2006

INVENTOR(S) : Liang-Yuh CHEN, Yuchun WANG, Yan WANG, Alain DUBOUST, Daniel A. CARL, Ralph
WADENSWEILER, Manoocher BIRANG, Paul D. BUTTERFIELD, Rashid MAVLIEV, Stan D. TSAI

It is certified that error appears in the above-identified patent and that said Letters Patent
are hereby corrected as shown below:

On the Cover of the Patent

Item [56], References Cited, U.S. PATENT DOCUMENTS: Please include the following references:

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UNITED STATES PATENT AND TRADEMARK OFFICE

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PATENT NO. : 7,066,800

Page 2 of 11

APPLICATION NO. : 10/033,732

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It is certified that error appears in the above-identified patent and that said Letters Patent
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It is certified that error appears in the above-identified patent and that said Letters Patent
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It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

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DATED : Jun. 27, 2006

INVENTOR(S) : Liang-Yuh CHEN, Yuchun WANG, Yan WANG, Alain DUBOUST, Daniel A. CARL, Ralph
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It is certified that error appears in the above-identified patent and that said Letters Patent
are hereby corrected as shown below:

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are hereby corrected as shown below:

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Item [56], References Cited, OTHER PUBLICATIONS: Please include the following references:

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(4100 EP 02)

European Search Report for 03252801.0, dated January 16, 2004 (7047 EP).

Communication pursuant to Article 96(2) EPC for Application No. 02728965.4, dated June 11, 2004
(4100 EP 02)

Copy of Search Report issued by the Austrian Patent Office for corresponding Singapore Patent
Application No. 200302562-4, provided by letter dated October 7, 2004.

Invitation to pay additional fees dated November 11, 2004 (4100 P5 PCT)

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Notification of Transmittal of International Search Report and Written Opinion dated February 21,
2005 (4100 PCT)

Notification of Transmittal of the International Search Report and Written Opinion dated Marcy 14,
2005 (4100 P5 PCT)

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(AMAT/4100PC09)

Alexander, Jr., "Electrically Conductive Polymer Nanocomposite Materials",
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Contolini, "Electrochemical Planarization of ULSI Copper," Solid State Technology, Vol. 40, No. 6,
June 1, 1997.

In the Drawings

Replace FIG. 2 with amended FIG. 2, copy attached

In the Specification

Column 4, Line 49: Before "inlet", change "a" to --an--

Column 6, Line 56: Change "electro polishing" to --electropolishing--

Column 9, Line 9: Change "aspects" to --aspect--

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INVENTOR(S) : Liang-Yuh CHEN, Yuchun WANG, Yan WANG, Alain DUBOUST, Daniel A. CARL, Ralph
WADENSWEILER, Manoocher BIRANG, Paul D. BUTTERFIELD, Rashid MAVLIEV, Stan D. TSAI

It is certified that error appears in the above-identified patent and that said Letters Patent
are hereby corrected as shown below:

Column 9, Line 10: Change "comprises" to --comprise--
Column 10, Line 19: Before "article", change "a" to --an--
Column 11, Line 66: Before "article", change "a" to --an--
Column 14, Line 50: Change "perforation" to --perforations--
Column 15, Line 36: Change "10-cm" to --10 Ω -cm--
Column 15, Line 38: Change "1-cm" to --1 Ω -cm--
Column 15, Line 61: Change "pas" to --pad--
Column 16, Line 45: Change "pas" to --pad--
Column 16, Line 57: Before "biasing", change "the" to --The--
Column 16, Line 60: Change "ploymer" to --polymer--
Column 18, Line 44: Change "discreet" to --discrete--
Column 19, Line 39: Change "shone" to --shown--
Column 20, Line 14: After "pressure", delete "between"
Column 20, Line 29: Change "electro polishing" to --electropolishing--
Column 20, Line 31: Change "electro polishing" to --electropolishing--
Column 23, Line 30: After "urethane", change the comma to a period

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Keith M. Tackett
PATTERSON & SHERIDAN, L.L.P.
3040 Post Oak Blvd., Suite 1500
Houston, TX 77056-6582

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 7,066,800

Page 10 of 11

APPLICATION NO. : 10/033,732

DATED : Jun. 27, 2006

INVENTOR(S) : Liang-Yuh CHEN, Yuchun WANG, Yan WANG, Alain DUBOUST, Daniel A. CARL, Ralph
WADENSWEILER, Manoocher BIRANG, Paul D. BUTTERFIELD, Rashid MAVLIEV, Stan D. TSAI

It is certified that error appears in the above-identified patent and that said Letters Patent
are hereby corrected as shown below:

In the Claims

Column 25, Claim 18, Line 65: Delete "conductive fillers include"

Column 26, Claim 24, Line 26: Change "and" to --or--

Column 26, Claim 25, Line 29: Change "and" to --or--

Column 26, Claim 29, Line 54: Delete "conductive fillers include"

Column 27, Claim 32, Line 3: After "least", insert --one--

Column 27, Claim 37, Lines 24-25: Delete "or combinations thereof"

Column 28, Claim 47, Line 10: Change "45" to --46--

Column 28, Claim 48, Line 13: Change "46" to --45--

Column 28, Claim 51, Line 32: Change "polycarbonete" to --polycarbonate--

Column 30, Claim 67, Line 9: After "article", delete --is--

Column 30, Claim 67, Line 18: After "surface", change the period to a semicolon

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Keith M. Tackett
PATTERSON & SHERIDAN, L.L.P.
3040 Post Oak Blvd., Suite 1500
Houston, TX 77056-6582

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

2/16

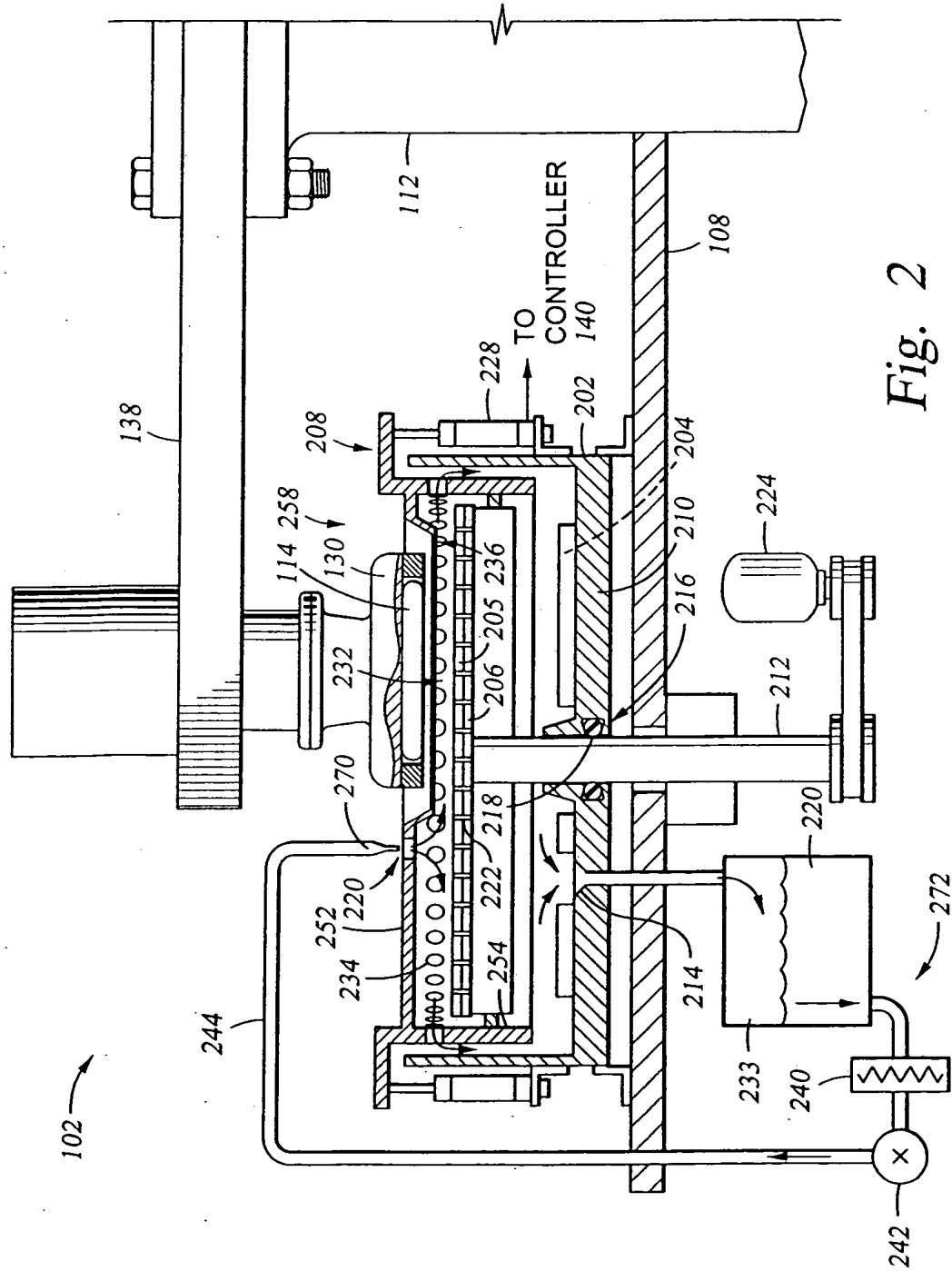


Fig. 2



REC'D FEB 18 2004

COPY

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

8(F)
8(PB) 5-4**NOTICE OF ALLOWANCE AND FEE(S) DUE**

32588 7590 02/11/2004

APPLIED MATERIALS, INC.
2881 SCOTT BLVD. M/S 2061
SANTA CLARA, CA 95050

COMPUTER ENTERED
FEB 18 2004EXAMINER
THOMAS, DAVID B

ART UNIT PAPER NUMBER

3723

DATE MAILED: 02/11/2004

22

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/033,732	12/27/2001	Liang-Yuh Chen	AMAT/4100.P1/CMP/CMP/RKK	7456
TITLE OF INVENTION: CONDUCTIVE POLISHING ARTICLE FOR ELECTROCHEMICAL MECHANICAL POLISHING				

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	05/11/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN **THREE MONTHS** FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:**I. Review the SMALL ENTITY status shown above.**

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- ☐ Applicant claims SMALL ENTITY status.
See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

Notice of Allowability

Application No.

10/033,732

Examiner

David B. Thomas

Applicant(s)

CHEN ET AL.

Art Unit

3723

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the IDS filed 1/23/04 and the RCE filed 10/15/03.
2. ☒ The allowed claim(s) is/are 29,31-40 and 42-99.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 10/15/03 1/23/04
- ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☒ Other Rule 312 response.

Joseph J. Hail, III
Supervisory Patent Examiner
Technology Center 3700

Response to Rule 312 Communication	Application No.	Applicant(s)	
	10/033,732	CHEN ET AL.	
	Examiner	Art Unit	
	David B. Thomas	3723	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

1. ☒ The amendment filed on 25 August 2003 under 37 CFR 1.312 has been considered, and has been:

- a) ☐ entered.
- b) ☒ entered as directed to matters of form not affecting the scope of the invention.
- c) ☐ disapproved because the amendment was filed after the payment of the issue fee.
 Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.
- d) ☐ disapproved. See explanation below.
- e) ☐ entered in part. See explanation below.

Joseph J. Hail, III
Supervisory Patent Examiner
Technology Center 3700

JUL 19 2006

U.S. Department of Commerce, Patent and Trademark Office

(PTO Form 1449 modified)

Docket No.

AMAT/4100.Y2/CMP/
CMP/RKK

Serial No.

10/033,732

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY
APPLICANT**

Applicant

Chen, et al.

Confirmation No.

7456

(Use several sheets if necessary)

Filing Date

December 27, 2001

Group

3723

Examiner David B. Thomas

JAN 23 2004

U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Applicant Name	Class	Subclass	Filing Date If Appropriate
DST	A1	6,585,579	07/01/2003	Jensen et al.	451	527	07/13/2001
	A2	6,572,463	06/03/2003	Xu et al.	451	526	12/27/2000
	A3	6,569,004	05/27/2003	Pham	451	526	12/30/1999
	A4	6,561,889	05/13/2003	Xu et al.	451	526	12/27/2000
	A5	6,551,179	04/22/2003	Halley	451	285	11/03/2000
	A6	6,520,843	02/18/2003	Halley	451	285	10/26/2000
	A7	6,517,426	02/11/2003	Lee	451	5237	04/05/2001
	A8	6,475,332	11/05/2002	Boyd et al.	156	345.12	10/05/2000
	A9	6,428,394	08/06/2002	Mooring et al.	451	41	03/31/2000
	A10	6,406,363	06/18/2002	Xu et al.	451	296	08/31/1999
	A11	6,402,591	06/11/2002	Thornton	451	36	03/31/2000
	A12	6,328,642	12/11/2001	Pant et al.	451	307	02/14/1997
	A13	6,261,959	07/17/2001	Travis, et al.	438	692	03/31/2000
	A14	6,261,168	07/17/2001	Jensen et al.	451	527	05/21/1999
	A15	6,033,293	03/07/2000	Crevasse et al.	451	494	10/08/1997
	A16	5,893,796	04/13/1999	Birang et al.	451	526	08/16/1996
	A17	5,257,478	11/2/1993	Hyde et al.	51	131.3	01/31/1992
DST	A18	4,713,149	12/15/1987	Hoshino	204	23	11/21/1986

OTHER ART

*Examiner Initial

Including Author, Title, Date,
Pertinent Pages, Etc.

C1

C2

Examiner

Date Considered

RECEIVED
JAN 27 2004

TECHNOLOGY CENTER R3700

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

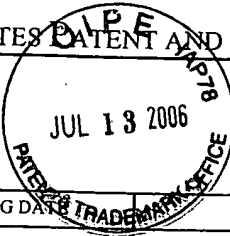
U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)					Docket No. AMAT/4100.Y2/CMP/ CMP/RKK		Serial No. 10/033,732	
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Applicant Chen, et al.		Confirmation No. 7456	
(Use several sheets if necessary)					Filing Date December 27, 2001		Group 3723	
Examiner David B. Thomas								
U.S. Patent Documents								
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate	
DBT	A1	6,630,059	10/07/2003	Uzoh, et al.	204	212	01/14/2000	
	A2	6,471,847	10/29/2002	Talieh, et al.	205	147	06/07/2001	
	A3	6,409,904	06/25/2002	Uzoh, et al.	205	137	08/13/1999	
	A4	6,328,872	12/11/2001	Talieh, et al.	205	206	04/03/1999	
	A5	6,251,235	06/26/2001	Talieh, et al.	204	220	03/30/1999	
	A6	3,448,023	06/03/1969	Bell	204	143	01/20/1966	
	A7	3,162,588	12/22/1964	Bell	204	141	04/17/1961	
	A8	2002/0130634	09/19/2002	Ziemkowski, et al.	320	106	03/16/2001	
	A9	2002/0088715	07/11/2002	Talieh, et al.	205	157	03/05/2002	
	A10	2002/0020621	02/21/2002	Uzoh, et al.	204	212	10/11/2001	
	A11	2002/0011417	01/31/2002	Talieh, et al.	205	157	08/28/2001	
	A12	2001/0035354	11/01/2001	Ashjaee, et al.	205	103	12/14/2000	
DBT	A13	2001/0042690	11/22/2001	Talieh	205	118	12/14/2000	
Foreign Patent Documents								
*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							YES	NO
DBT	B1	01/52307	07/19/2001	WO	H01L		<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B2	01/13416	02/22/2001	WO	H01L	21/2813	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B3	01/63018	08/30/2001	WO	C25D	17/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B4	01/71066	09/27/2001	WO	C25D	7/12	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DBT	B5	01/88954	11/22/2001	WO	H01L		<input type="checkbox"/>	<input checked="" type="checkbox"/>
OTHER ART								
*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.				RECEIVED		
	C1					OCT 20 2003		
	C2					TECHNOLOGY CENTER 43700		
Examiner					Date Considered 02/02/04			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.								



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION N
10/033,732	12/27/2001	Liang-Yuh Chen	AMAT/4100.P1/CMP/CMP/RKK	7456
32588	7590	10/28/2004		
APPLIED MATERIALS, INC. 2881 SCOTT BLVD. M/S 2061 SANTA CLARA, CA 95050				
			EXAMINER	
			THOMAS, DAVID B	
		ART UNIT	PAPER NUMBER	
		3723		

REC'D NOV 03 2004

DATE MAILED: 10/28/2004

SNA

Please find below and/or attached an Office communication concerning this application or proceeding.

JUL 13 2006

**Supplemental
Notice of Allowability**

Application No.

10/033,732

Examiner

David B. Thomas

Applicant(s)

CHEN ET AL.

Art Unit

3723

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Rule 312 amendment filed September 9, 2004.
2. ☒ The allowed claim(s) is/are ³¹⁻~~29~~ 40, 42, 44, 45 and 47-99.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 4/15/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☒ Other Rule 312 response.


David B. Thomas
Patent Examiner
Art Unit: 3723

FILED 2006

Response to Rule 312 Communication	Application No.	Applicant(s)	
	10/033,732	CHEN ET AL.	
	Examiner	Art Unit	
	David B. Thomas	3723	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

1. ☒ The amendment filed on 09 September 2004 under 37 CFR 1.312 has been considered, and has been:

a) ☒ entered.

b) ☐ entered as directed to matters of form not affecting the scope of the invention.

c) ☐ disapproved because the amendment was filed after the payment of the issue fee.

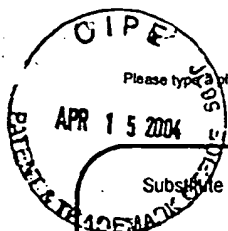
Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.

d) ☐ disapproved. See explanation below.

e) ☐ entered in part. See explanation below.



David B. Thomas
Patent Examiner
Art Unit: 3723



Please type a plus sign (+) inside this box → ☐

PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 1

Application Number	10/033,732
Filing Date	DECEMBER 27, 2001
First Named Inventor	CHEN, ET AL.
Group Art Unit	3723
Examiner Name	DAVID B. THOMAS
Attorney Docket Number	AMAT/4100.Y2/CMP/CMP/RKK
Submission Date	April 12, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
DST	A1	US-6,368,184 B1	04/09/2002	Beckage	
	A2	US-2002/119286 A1	08/29/2002	Chen, et al.	
DST	A3	US-2001/0005667 A1	06/28/2001	Tolles, et al.	
	A4				
	A5				
	A6				
	A7				
	A8				
	A9				
	A10				
	A11				
	A12				
	A13				
	A14				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
DST	B1	EP 1 368 826 A1 (Enclosed WO Patent 02/075804 A2 & A3)	12/10/2003	Applied Materials, Inc.		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
DST	C1	European Search Report for 03252801.0, dated January 16, 2004 (AMAT/7047.EP).	

Examiner

Date Considered

10/26/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional). † See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ‡ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). § For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ¶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. • Applicant is to place a check mark here if English language Translation is attached.

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NOTICE OF ALLOWANCE AND FEE(S) DUE

COPY

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7590

08/05/2005

APPLIED MATERIALS, INC.
2881 SCOTT BLVD. M/S 2061
SANTA CLARA, CA 95050

EXAMINER

THOMAS, DAVID B

ART UNIT

PAPER NUMBER

3723

DATE MAILED: 08/05/2005

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/033,732	12/27/2001	Liang-Yuh Chen	AMAT/4100.P1/CMP/CMP/RKK	7456

TITLE OF INVENTION: CONDUCTIVE POLISHING ARTICLE FOR ELECTROCHEMICAL MECHANICAL POLISHING

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$70	\$0	\$70	11/07/2005

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

2006

Notice of Allowability

Application No.

10/033,732

Examiner

David B. Thomas

Applicant(s)

CHEN ET AL

Art Unit

3723

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the RCE filed May 19, 2005.
2. ☒ The allowed claim(s) is/are 29,31-40,42,44,45 and 47-99.
3. ☒ The drawings filed on 27 December 2001 and 25 August 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date herewith
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


David B. Thomas
Primary Examiner
Art Unit: 3723

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PTO/SB/08a (04-03)

Approved for use through 07/31/2008. OMB 0531-0031
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Substitute for form 1449A/PTO		Application Number	10/033,732
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	December 27, 2001
		First Named Inventor	Chen, et al.
		Group Art Unit	3723
		Examiner Name	David B. Thomas
		Attorney Docket Number	AMAT/4100.Y4/CMP/CMP/RK
(Use as many sheets as necessary)		Submission Date	May 18, 2005
Sheet	1	of	9

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DSJ	A1	US-1,601,642	09/28/1928	Parker	
	A2	US-1,927,162	09/19/1933	Fiodor, et al.	
	A3	US-2,112,691	03/29/1938	Crowder	
	A4	US-2,240,265	04/29/1941	Nachtmann	
	A5	US-2,392,687	01/08/1946	Nachtmann	
	A6	US-2,431,065	11/18/1947	Miller	
	A7	US-2,451,341	10/12/1948	Jemstedt	
	A8	US-2,453,481	11/09/1948	Wilson	
	A9	US-2,434,935	11/30/1948	Miller	
	A10	US-2,456,185	12/14/1948	Grube	
	A11	US-2,457,510	12/28/1948	van Ornum	
	A12	US-2,458,676	01/11/1949	Brenner, et al.	
	A13	US-2,481,556	02/15/1949	Lorig	
	A14	US-2,473,280	08/14/1949	Millard	
	A15	US-2,477,808	08/02/1949	Jones	
	A16	US-2,479,323	08/18/1949	Davis	
	A17	US-2,480,022	08/23/1949	Mogaboom	
DSJ	A18	US-2,480,055	12/06/1949	Hoff	

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² Number ³ Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
DSJ	B1	EP 1 381 023	11/12/2003	Applied Materials		
	B2	JP 68-171264 (English abstract)	10/7/1983	Nitto Electric		X
DSJ	B3	JP 61-079668 (English abstract)	4/23/1988	Fujitsu		X
	B4	JP 61-265279 (English abstract)	11/25/1988	Tohoku Metal Ind. Ltd.		X
	B5	JP 63-028512 (English abstract)	2/6/1988	Hilachi Ltd.		X

Examiner

Date Considered

3/1/05

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Substitute for form 1448A/PTO SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/033,732
		Filing Date	December 27, 2001
		First Named Inventor	Chan, et al.
		Group An Unit	3723
		Examiner Name	David B. Thomas
		Attorney Docket Number	AMAT/4100.Y4/CMP/CMP/RK
Sheet 2	of 9	Submission Date	May 19, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
DS1	A19	US-2,495,895	01/31/1950	Carrin, et al.	FAX RECEIVED MAY 19 2005 OFFICE OF PETITIONS
	A20	US-2,500,205	03/14/1950	Schaefer	
	A21	US-2,500,208	03/14/1950	Schaefer, et al.	
	A22	US-2,503,863	04/11/1950	Bart	
	A23	US-2,508,794	05/09/1950	Kennedy, et al.	
	A24	US-2,509,304	05/30/1950	Klein	
	A25	US-2,512,328	06/20/1950	Hays	
	A26	US-2,517,807	08/08/1950	Mikulas	
	A27	US-2,519,945	08/22/1950	Twale, et al.	
	A28	US-2,530,877	11/21/1950	Berkenkotter, et al.	
	A29	US-2,535,868	12/28/1950	Tapitz	
	A30	US-2,536,812	01/02/1951	Cobelli	
	A31	US-2,539,898	01/30/1951	Davis	
	A32	US-2,540,175	02/06/1951	Rosenqvist	
	A33	US-2,544,510	03/06/1951	Pratt	
	A34	US-2,549,878	04/17/1951	Flandt	
	DS1	A35	US-2,554,843	05/13/1951	
A36		US-2,556,017	06/05/1951	Vonada	

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ¹ -Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
DS1	B6	JP 05-277857 (English abstract)	10/26/1993	Nippon Micro Kookaingu KK		X
	B7	JP 10-008213 (English abstract)	1/13/1998	Tokyo Seimitsu Co Ltd		X
	B8	JP 2870537 (English abstract)	9/17/1999	NEC Corp		X
DS1	B9	JP 11-239861 (English abstract)	7/8/1999	NEC Corp		X
	B10	JP 2000-218513 (English abstract)	8/8/2000	NEC Corp		X

Examiner

Date Considered

9/1/05

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Substitute for form 1449A/PTO SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/033,732
		Filing Date	December 27, 2001
		First Named Inventor	Chen, et al.
		Group Art Unit	3723
		Examiner Name	David B. Thomas
		Attorney Docket Number	AMAT/4100.Y4/CMP/CMP/RK
Sheet 3	of 9	Submission Date	May 19, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.*	Document Number Number-Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
BST	A37	US-2,560,634	07/17/1951	Adler	
	A38	US-2,580,968	07/17/1951	Lee	
	A39	US-2,589,577	10/02/1951	Reading	
	A40	US-2,589,578	10/02/1951	Rieger	
	A41	US-2,571,709	10/16/1951	Gray	
	A42	US-2,578,074	11/20/1951	Nachtmann	
	A43	US-2,587,630	03/04/1952	Konrad, et al.	
	A44	US-2,619,454	11/25/1952	Zapponi	
	A45	US-2,633,452	03/31/1953	Hogaboom, Jr. et al.	
	A48	US-2,648,388	07/21/1953	Henderson	
	A47	US-2,658,283	10/20/1953	Fink, et al.	
	A48	US-2,658,284	10/20/1953	Toumin	
	A49	US-2,657,177	10/27/1953	Rendel	
	A50	US-2,857,457; RE 25424	11/03/1953	Toumin	
	A51	US-2,873,838	03/30/1954	Vonada	
	A52	US-2,874,850	04/06/1954	Dunlevy, et al.	
	A53	US-2,875,348	04/19/1954	Greenspan	
BST	A54	US-2,880,710	06/08/1954	Kanmare, et al.	

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.*	Foreign Patent Document Country Code* Number* and Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
BST	B11	JP 2001-179811 (English abstract)	7/3/2001	NEC Corp		X
	B12	JP 2001-244223 (English abstract)	9/7/2001	Hitachi Chem Co Ltd		X
	B13	KR 2003-037158 (English abstract)	5/12/2003	Samsung Electronics Co.		X
	B14	WO 93/15879	8/18/1993	3M Co.		
BST	B15	WO 00/59682	10/12/2000	Nu Tool, Inc.		

Examiner

Date Considered

8/1/05

EXAMINER: Initial reference considered, whether or not citation is in accordance with MPEP 609. Draw line through citation if not in accordance and not considered. Include copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional). * See Kind Code of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. * Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. * Applicant is to place a check mark here if English language translation is attached.

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Substitute for form 1449A/PTO SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/033,732
		Filing Date	December 27, 2001
		First Named Inventor	Chen, et al.
		Group Art Unit	3723
		Examiner Name	David B. Thomas
		Attorney Docket Number	AMAT/4100.Y4/CMP/CMP/RK
Sheet 4	of 9	Submission Date	May 19, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DST	A55	US-2,684,839	07/27/1954	Geese	
	A56	US-2,689,215	09/14/1954	Bart	
	A57	US-2,695,289	11/23/1954	de Witz, et al.	
	A58	US-2,698,859	12/14/1954	Somma	
	A59	US-2,698,832	01/04/1955	Swanson	
	A60	US-2,708,173	04/12/1955	Watts, et al.	
	A61	US-2,708,175	04/12/1955	Licharz	
	A62	US-2,708,445	05/17/1955	Manson, et al.	
	A63	US-2,710,834	06/14/1955	Vrilakis	
	A64	US-2,711,993	06/28/1955	Lyon	
	A65	US-3,334,041	08/01/1967	Dyer, et al.	
	A66	US-3,433,730	03/18/1969	Kennedy, et al.	
	A67	US-3,476,877	11/04/1969	Conley, et al.	
	A68	US-3,807,707	08/21/1971	Chenavier	
	A69	US-3,942,959	03/06/1978	Markoo, et al.	
	A70	US-3,992,178	11/18/1978	Markoo, et al.	
	A71	US-4,047,902	08/13/1977	Wland	
DST	A72	US-4,082,838	04/04/1978	Jumar	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code* Number-Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
DST	816	WO 01/88229	11/22/2001	ACM Research		
DST	817	WO 03/001581	1/3/2003	Micron Technology		
	818					
	819					
	820					

Examiner

Date Considered

8/1/05

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PTO/SB/08a (09-02)

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 5

of 9

Application Number	10/033,732
Filing Date	December 27, 2001
First Named Inventor	Chen, et al.
Group Art Unit	5723
Examiner Name	David B. Thomas
Attorney Docket Number	AMAT/4100.Y4/CMP/CMP/RK
Submission Date	May 19, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.*	Document Number Number-Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
B07	A73	US-4,119,515	10/10/1978	Costakis	
	A74	US-4,312,716	01/26/1982	Maschler, et al.	
	A75	US-4,523,411	06/19/1985	Freerks	
	A76	US-4,704,511	11/03/1987	Myano	
	A77	US-4,752,371	06/21/1988	Kreisel, et al.	
	A78	US-4,772,361	09/20/1988	Dorsett, et al.	
	A79	US-4,839,993	06/20/1989	Masuko, et al.	
	A80	US-4,856,056	09/11/1990	Zubanova, et al.	
	A81	US-5,011,510	04/30/1991	Hayakawa, et al.	
	A82	US-5,061,294	10/28/1991	Hammor, et al.	
	A83	US-5,066,370	11/18/1991	Andreshak, et al.	
	A84	US-5,096,530	03/17/1992	Mayer et al.	
	A85	US-5,108,463	04/28/1992	Buchanan	
	A86	US-5,137,542	08/11/1992	Buchanan, et al.	
	A87	US-5,203,684	04/20/1993	Buchanan, et al.	
	A88	US-5,328,716	07/12/1994	Buchanan	
	A89	US-5,476,435	12/26/1995	Murphy, et al.	
B07	A90	US-5,560,753	10/01/1996	Schnabel et al.	

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.*	Foreign Patent Document Country Code* Number* Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
	B21					
	B22					
	B23					
	B24					
	B25					

Examiner

Date Considered

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PTO/59/02a (09-02)

Approved for use through 07/01/2006. QMB 0631-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 6

of 9

Application Number

10/033,732

Filing Date

December 27, 2001

First Named Inventor

Chen, et al.

Group Art Unit

3723

Examiner Name

David B. Thomas

Attorney Docket Number

AMAT/4100.Y4/CMP/CMP/RK

Submission Date

May 18, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code* (if known)			
DST	A91	US-5,833,068	05/27/1997	Pryke, et al.	FAX RECEIVED MAY 19 2005 OFFICE OF PETITIONS
	A92	US-5,834,078	08/05/1997	Ferronato	
	A93	US-5,702,811	12/30/1997	Ho, et al.	
	A94	US-5,738,674	04/14/1998	Tolles, et al.	
	A95	US-5,840,828	11/24/1998	Carpio	
	A96	US-5,840,190	11/24/1998	Scholander, et al.	
	A97	US-5,882,491	03/18/1999	Wardie	
	A98	US-5,948,597	08/07/1999	Hata	
	A99	US-6,074,284	06/13/2000	Tani, et al.	
	A100	US-6,077,337	06/20/2000	Lee	
DST	A101	US-6,176,898	01/23/2001	Wardie et al.	
	A102	US-6,183,354	02/06/2001	Zuniga, et al.	
	A103	US-6,238,592	05/28/2001	Hardy et al.	
	A104	US-6,319,108	11/20/2001	Adelris, et al.	
	A105	US-6,388,180	04/08/2002	Easter, et al.	
	A106	US-6,383,068	05/07/2002	Chen, et al.	
	A107	US-6,431,968	08/13/2002	Chen, et al.	
	A108	US-6,447,668	08/10/2002	Wang	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code* Number* Kind Code* (if known)				
DST	B26					
	B27					
	B28					
	B29					
	B30					

Examiner

Date Considered

8/1/05

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO.		Application Number	10/033,732
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	December 27, 2001
		First Named Inventor	Chen, et al.
		Group Art Unit	3723
		Examiner Name	David B. Thomas
		Attorney Docket Number	AMAT/4100.Y4/CMP/CMP/RK
(Use as many sheets as necessary)		Submission Date	May 19, 2005
Sheet	7	of	9

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
D3	A109	US-6,537,140	03/25/2003	Miller, et al.	
	A110	US-6,537,144	03/25/2003	Teal, et al.	
	A111	US-6,658,019	12/02/2003	Chen, et al.	
	A112	US-6,685,548	02/03/2004	Chen, et al.	
	A113	US-6,739,951	05/25/2004	Sun, et al.	
	A114	US-6,752,700	08/22/2004	Duescher	
	A115	US-6,789,869	08/03/2004	Duescher	
	A116	US-6,848,977	02/01/2005	Cook, et al.	
	A117	US-2001/0027018	10/04/2001	Mohar	
	A118	US-2002/0025760	02/28/2002	Lee, et al.	
	A119	US-2002/0025763	02/28/2002	Lee, et al.	
	A120	US-2002/0108861	08/15/2002	Ernoesh, et al.	
	A121	US-2002/0123300	08/05/2002	Jones, et al.	
	A122	US-2002/0130049	08/19/2002	Chen, et al.	
	A123	US-2002/0146963	10/10/2002	Teetzat	
D27	A124	US-2002/0148732	10/17/2002	Ernoesh, et al.	
	A125	US-2003/0034131	02/20/2003	Park, et al.	
	A126	US-2003/0040186	02/27/2003	Hsu, et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code-Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
	B31					
	B32					
	B33					
	B34					
	B35					

Examiner

Date Considered

9/1/05

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 8

of 9

Application Number

10/033,732

Filing Date

December 27, 2001

First Named Inventor

Chen, et al.

Group Art Unit

3723

Examiner Name

David B. Thomas

Attorney Docket Number

AMAT/4100.Y4/CMP/CMP/RK

Submission Date

May 18, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
D27	A127	US-2003/0114087	08/19/2003	Duboust, et al.	
	A128	US-2003/0118446	08/28/2003	Sun, et al.	
	A128	US-2003/0118446	08/26/2003	Duboust, et al.	
D257	A130	US-2003/0213703	11/20/2003	Wang, et al.	
	A131	US-2003/0220053	11/27/2003	Manens, et al.	
	A132	US-			
	A133	US-			
	A134	US-			
	A135	US-			
	A136	US-			
	A137	US-			
	A138	US-			
	A139	US-			
	A140	US-			
	A141	US-			
	A142	US-			
	A143	US-			
	A144	US-			

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ² Number ² Kind Code ² (if known)				
	B36					
	B37					
	B38					
	B39					
	B40					

Examiner

Date Considered

3/1/05

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PTO/SB/08b (08-03)

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 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1448B/PTO		Application Number	10/033,732
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	December 27, 2005
		First Named Inventor	Chen, et al.
		Group Art Unit	3723
		Examiner Name	David B. Thomas
		Attorney Docket Number	AMAT/4100.Y4/CMP/CMP/IRK
(Use as many sheets as necessary)		Submission Date	May 19, 2005
Sheet	9	of	9

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
DB	C1	PCT Written Opinion dated April 1, 2003 for PCT/US02/11009. (4100 EP 02)	
	C2	Notification of Transmittal of International Preliminary Examination Report dated November 10, 2003 (4100 EP 02)	
	C3	European Search Report for 03252801.0, dated January 16, 2004 (7047 EP).	
	C4	Communication pursuant to Article 96(2) EPC for Application No. 02728965.4, dated June 11, 2004 (4100 EP 02)	
	C5	Copy of Search Report issued by the Austrian Patent Office for corresponding Singapore Patent Application No. 200302562-4, provided by letter dated October 7, 2004.	
	C6	Invitation to pay additional fees dated November 11, 2004 (4100 P5 PCT)	
	C7	Notification of Transmittal of International Search Report and Written Opinion dated February 21, 2005 (4100 PCT)	
	C8	Notification of transmittal of the International Search report and Written Opinion dated March 14, 2005 (4100 P5 PCT)	
	C9	PCT International Search Report and Written Opinion dated April 28, 2005 for PCT/US04/037870. (AMAT/4100PC09)	
	C10	Alexander, Jr., "Electrically Conductive Polymer Nanocomposite Materials", http://www.afrlhorizons.com/Briefs/Sept02/ML0206.html , Date Unknown	
DB	C11	Contolini, "Electrochemical Planarization of ULSI Copper," Solid State Technology, Vol. 40, No. 6, June 1, 1997	
<div style="display: flex; justify-content: space-between;"> <div>Examiner </div> <div>Date Considered 8/1/05</div> </div>			

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**SUPPLEMENTAL INFORMATION
DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	10/033,732
Filing Date	DECEMBER 27, 2001
First Named Inventor	CHEN, ET AL.
Art Unit	3723
Examiner Name	DAVID B. THOMAS
Attorney Docket Number	AMAT/4100.Y4/PPC/CMP/RKK

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
JB7	B1	JP 06-047678 (English Abs.)	02/22/1994	Kawasaki Steel Corp.		X
	B2	JP 11-216663	12/12/2000	Sony Corp.		
JB7	B3	WO 00/71297	11/30/2000	Lam Research, Corp.		

Date Considered

8/1/05

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**SUPPLEMENTAL INFORMATION
DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

Complete If Known

Application Number	10/033,732
Filing Date	DECEMBER 27, 2001
First Named Inventor	CHEN, ET AL.
Art Unit	3723
Examiner Name	DAVID B. THOMAS
Attorney Docket Number	AMAT/4100.Y2/CMP/CMP/RKK

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
DS7	A1	US-5,674,122	10/07/1997	Krech	/
	A2	US-6,372,001	04/16/2002	Omar, et al.	
	A3	US-6,379,223	04/30/2002	Sun, et al.	
	A4	US-6,413,388	07/02/2002	Uzoh, et al.	
	A5	US-2003/0013397	01/16/2003	Rhoades	
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		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ - Number ³ - Kind Code ⁴ (if known)				
DS7	B1	JP 2002-334858 (English abstract)	11/22/2002	Uchiyama, et al.	/	X

Examiner Signature		Date Considered	3/1/05
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.57 and 1.58. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 and select option 1.

Notice of References Cited	Application/Control No. 10/033,732	Applicant(s)/Patent Under Reexamination CHEN ET AL	
	Examiner David B. Thomas	Art Unit 3723	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-6,736,952 B2	05-2004	Emesh et al.	205/81
	B	US-6,572,755 B2	06-2003	Emesh et al.	205/137
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(e).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In re Application of:
Chen, et al.**

Serial No.: 10/033,732

Confirmation No.: 7456

Filed: December 27, 2001

For: Conductive Polishing Article for Electrochemical Mechanical Polishing

Commissioner for Patents
P.O. Box 1450
Alexandria, VA. 22313-1450

Dear Sir:

Group Art Unit: 3723

Examiner: David B. Thomas

CC

COPY

CERTIFICATE OF MAILING
37 CFR 1.8

I hereby certify that this correspondence is being deposited on May 12, 2003, with the United States Postal Service as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, P.O. Box 1450, Alexandria VA, 22313-1450.

05/12/2023
Date

Signature

PROPOSED AMENDMENT TO THE DRAWINGS

Applicant proposes amendment of the drawings as described below and request permission to provide substitute drawings incorporating the amendments for reasons discussed below.

IN THE DRAWINGS

Applicants propose amendment of the drawings to correct errors noted subsequent to filing the application. Applicants have submitted the proposed corrections marked in red on the attached copy of the respective original drawings filed in the application. The proposed corrections conform the drawings to the written description of the invention without adding new matter. The area to be amended is

defined by the dashed red line box and the amended aspects of the drawings are shown in greater detail in the accompanying enlarged drawing of Figure 2 to indicate the proposed changes.

Please amend and admit Figure 2 as shown in the attached sketches.

REMARKS

Figure 2 indicates proposed amendments to remove erroneously included matter contacting a substrate 114 surface to be polishing on a polishing article 205. Support for the change can be found in the specification, for example, at paragraphs [0055] and [0056], and references to Fig. 2.

Applicants respectfully submit that the proposed amendments do not introduce new matter or remove helpful description of the invention. Approval of the amendments is respectfully requested.

Respectfully submitted,



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Attorney for Applicant(s)

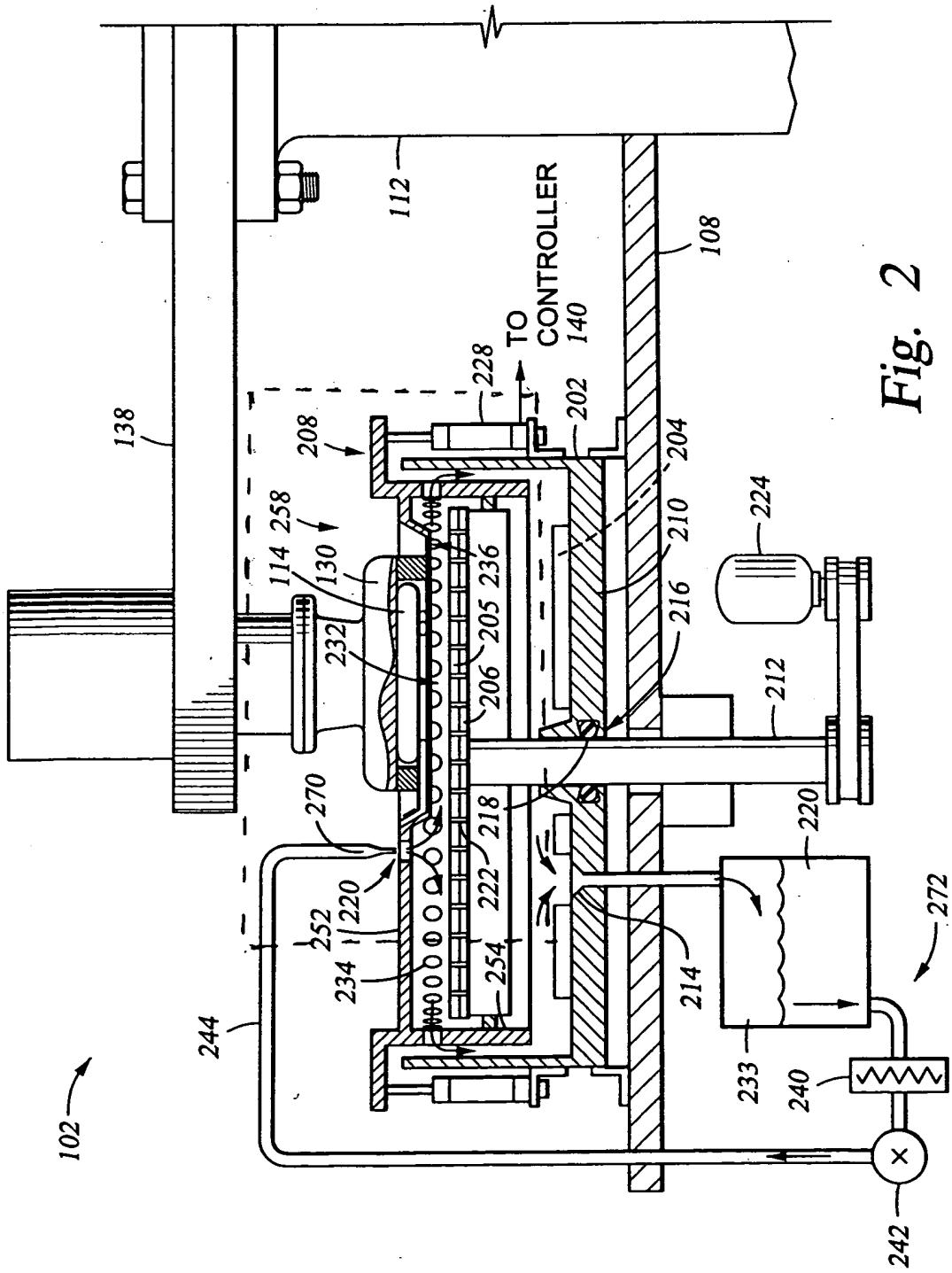
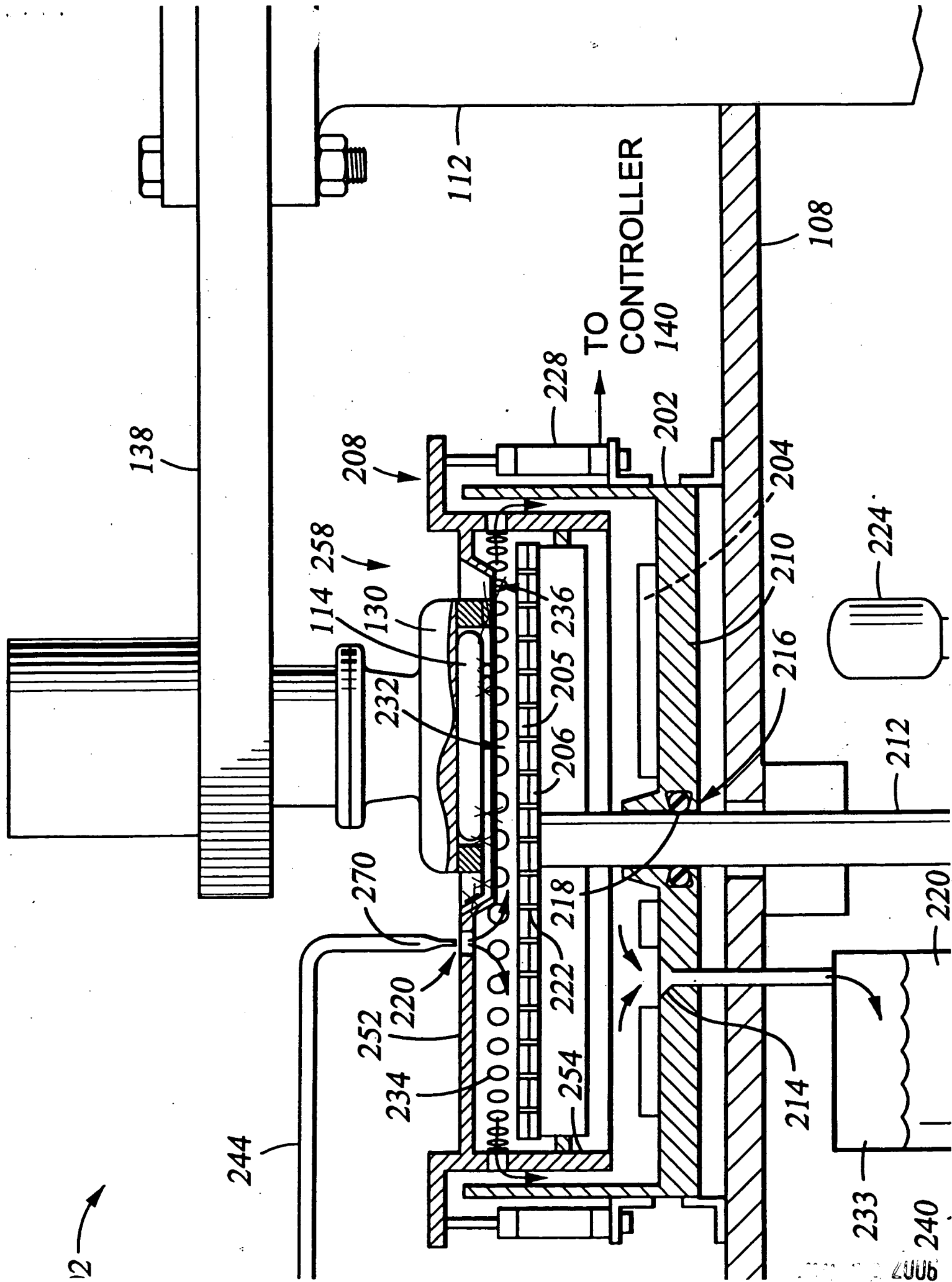


Fig. 2



DOCKET No.: AMAT/400. P1/cmp/cmp/RKX
SERIAL No.: 10/633,732
FILED: December 27, 2001
APPLICANT: Applied Materials, Inc.
INVENTOR: Chen, et al.

The Patent & Trademark Office acknowledges and has stamped hereon the date of receipt of the items checked below which were mailed May 12, 2003

- ☐ AFFIDAVIT
☒ AMENDMENT Proposed Amendment to Drawings
☐ APPLICATION PAPERS - OATH/DECLARATION
☐ TOTAL CLS. IND. CLS. FEE \$
☒ 2 SHEET(S) OF DRAWING(S) FORMAL/INFORMAL
☐ ASSIGNMENT-RECORDAL FEE \$
☐ BRIEF
☐ APPEAL NOTICE
☐ DECLARATION
☐ ISSUE FEE - BASE/BALANCE
☒ LETTER - CHARGE DEPOSIT ACCOUNT
☐ LETTER

DOCKET No.: AMAT/400. P1/cmp/cmp/RKX
SERIAL No.: 10/633,732
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☒ LETTER - CHARGE DEPOSIT ACCOUNT
☐ LETTER

TRADEMARK/SERVICE MARK APPLICATION
PETITION Two - Month Extending Time
PRELIMINARY AMENDMENT
INFORMATION DISCLOSURE STATEMENT (Supplemental)
REQUEST FOR EXTENSION OF TIME
RESPONSE TO OFFICE ACTION dated 12/12/2002
SPECIMENS
SMALL ENTITY
CHECK # Form 1449 IN THE AMOUNT OF \$
Form 1449 in cited references

EXPRESS MAIL # _____ MAIL LOG # 13970 BKH

DOCKET No.: AMAT/400. P1/cmp/cmp/RKX
SERIAL No.: 10/633,732
FILED: December 27, 2001
APPLICANT: Applied Materials, Inc.
INVENTOR: Chen, et al.

The Patent & Trademark Office acknowledges and has stamped hereon the date of receipt of the items checked below which were mailed May 12, 2003

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SPECIMENS
SMALL ENTITY
CHECK # Form 1449 IN THE AMOUNT OF \$
Form 1449 in cited references

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UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

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NOTICE OF ALLOWANCE AND FEE(S) DUE

COPY

32588 7590 07/15/2003
APPLIED MATERIALS, INC.
2881 SCOTT BLVD. M/S 2061
SANTA CLARA, CA 95050

COMPUTER ENTERED

JUL 21 2003

EXAMINER

THOMAS, DAVID B

ART UNIT CLASS-SUBCLASS

3723

451-526000

DATE MAILED: 07/15/2003

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/033,732	12/27/2001	Liang-Yuh Chen	AMAT/4100.P1/CMP/CMP/RKK	7456

TITLE OF INVENTION: CONDUCTIVE POLISHING ARTICLE FOR ELECTROCHEMICAL MECHANICAL POLISHING

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1300	\$300	\$1600	10/15/2003

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN **THREE MONTHS** FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

☐ Applicant claims SMALL ENTITY status.
See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

Notice of Allowability

Application No.

10/033,732

Applicant(s)

CHEN ET AL.

Examiner

David B. Thomas

Art Unit

3723

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment B filed 14 May 2003.
2. ☒ The allowed claim(s) is/are 29,31-40 and 42-99.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

5. ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☒ CORRECTED DRAWINGS must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No. _____.
 - (b) ☒ including changes required by the proposed drawing correction filed 14 May 2003, which has been approved by the Examiner
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| <ul style="list-style-type: none">1 <input type="checkbox"/> Notice of References Cited (PTO-892)3 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)5 <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. <u>11, 12, 15, 17</u>7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | <ul style="list-style-type: none">2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)4 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____6 <input type="checkbox"/> Examiner's Amendment/Comment8 <input type="checkbox"/> Examiner's Statement of Reasons for Allowance9 <input type="checkbox"/> Other |
|--|--|

Joseph J. Hail, III
Supervisory Patent Examiner
Technology Center 3700

EX-100 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Chen, et al.

Serial No.: 10/033,732

Confirmation No.: 7456

Filed: December 27, 2001

For: Conductive Polishing Article for
Electrochemical Mechanical
Polishing

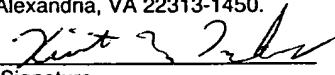
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Group Art Unit: 3723

Examiner: David B. Thomas

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING	
37 CFR 1.8	
I hereby certify that this correspondence is being deposited on August 20, 2003 with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
August 20, 2003 Date	 Signature

RULE 312 AMENDMENT AFTER ALLOWANCE

Following mailing of a Notice of Allowance on July 15, 2003, Applicants request entry of the following amendments.

Amendments to the claims begin on page 2. Amendments to the drawings begin on page 3. Remarks begin on page 4.

The Commissioner is hereby authorized to charge counsel's Deposit Account No. 20-0782/AMAT/4100P1/KMT for any fees, including extension of time fees or excess claim fees, required to make this response timely and acceptable to the Office.

IN THE CLAIMS:

Please amend claim 31 as follows:

31. (Amended) The polishing article of claim ~~[[29]]~~ 32, wherein the biasing member is a spring, a foam polymer, plastic tubing, an elastomer, or combinations thereof, and urges a compliant contact surface of the conductive element to electrically contact the substrate disposed on the polishing surface.

IN THE DRAWINGS:

Please amend the drawings to replace Sheet 2/16 with the attached replacement Sheet 2/16. The notice of allowance shows that the Examiner has approved a correction to Sheet 2/16 and Applicant is now required to replace Sheet 2/16.

REMARKS

This amendment is filed to correct an error in the dependency of Claim 31 to provide sufficient antecedent basis.

Additionally, attached please find Replacement Sheet 2 of the formal drawings with a gummed label identifying the application for which it is submitted. The Examiner is requested to substitute this formal drawing in view of the proposed drawing corrections filed May 14, 2003, which has been approved by the Examiner.

Applicants believe that no fees are due in filing this response. Applicants believe that no new matter has been introduced in this response. Entry of the amendment is respectfully requested.

Respectfully submitted,



Keith M. Tackett
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Attorney for Applicant
MOSER, PATTERSON & SHERIDAN, L.L.P.
3040 Post Oak Blvd., Suite 1500
Houston, Texas 77056
Telephone (713) 623-4844
Facsimile (713) 623-4846

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JUN 19 2006

DOCKET No.: Amat/4100. P1/cnr/cnr/KK
SERIAL No.: 10/033, 732

FILED: December 27, 2001

APPLICANT: Applied Materials, Inc.

INVENTOR: Chen, et al.

The Patent & Trademark Office acknowledges and has stamped hereon the date of receipt of the items checked below which were mailed August 20, 2003

- ☐ AFFIDAVIT
☒ AMENDMENT After Allowance (Rule 312)
☐ APPLICATION PAPERS - OATH/DECLARATION
☐ TOTAL CLS. IND. CLS. FEE \$
☐ SHEET(S) OF DRAWING(S) FORMAL/INFORMAL
☐ ASSIGNMENT-RECORDAL FEE \$
BRIEF:
☐ APPEAL NOTICE
☐ DECLARATION
☐ ISSUE FEE - BASE/BALANCE
☒ LETTER - CHARGE DEPOSIT ACCOUNT
☐ LETTER
☐ TRADEMARK/SERVICEMARK APPLICATION
☐ PETITION
☐ PRELIMINARY AMENDMENT
☐ INFORMATION DISCLOSURE STATEMENT
☐ REQUEST FOR EXTENSION OF TIME
☐ RESPONSE TO
☐ SPECIMENS
☐ SMALL ENTITY
☐ CHECK # 1034428 IN THE AMOUNT OF \$
EXPRESS MAIL # 14793 MAIL LOG # BK4

DOCKET No.: Amat/4100. P1/cnr/cnr/KK
SERIAL No.: 10/033, 732

FILED: December 27, 2001

APPLICANT: Applied Materials, Inc.

INVENTOR: Chen, et al.

The Patent & Trademark Office acknowledges and has stamped hereon the date of receipt of the items checked below which were mailed August 20, 2003

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☐ CHECK # 1034428 IN THE AMOUNT OF \$
EXPRESS MAIL # 14793 MAIL LOG # BK4

2006

DOCKET No.: Amat/4100. P1/cnr/cnr/KK
SERIAL No.: 10/033, 732
FILED: December 27, 2001
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